

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
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TI Supported metallocenes for olefin polymerization.
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SO Book of Abstracts, 218th ACS National Meeting, New Orleans, Aug. 22-26 (
1999), INOR-526 Publisher: American Chemical Society, Washington,
D. C.
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DT Conference; Meeting Abstract
LA English
AB In this work, silica supported metallocene were prepd. using two different
methods: 1) Silica was treated with a **silane** coupling agent
contg. amino or thiol groups, followed by a metallocene complex and 2)
Silica was treated with a vinyl **silane** followed by a reaction
with a hydrogen contg. metallocene (hydrozirconation). Diffuse
Reflectance IR Spectroscopy (DRIFT) and Xray Photoelectron Spectroscopy
(XPS), were used to characterize the catalysts. The activity of the
catalysts was tested by polymg. ethylene in the presence of
methylaluminoxane (MAO). A homogeneous system, consisting of Zirconocene
Dichloride/MAO was used for comparison. Polymn. of ethylene was
successful with the catalyst prepd. by the second method, outperforming
the homogeneous catalyst system.